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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
|-----------------|-------------|----------------------|---------------------|------------------|

10/624,954

07/22/2003

Steffen Derhardt

A-3772

6281

24131 7590 04/10/2007  
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EXAMINER

CULLER, JILL E

ART UNIT

PAPER NUMBER

2854

| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE | DELIVERY MODE |
|--|-----------|---------------|
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3 MONTHS

04/10/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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|                              |                        |                     |  |
|------------------------------|------------------------|---------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|                              | 10/624,954             | DERHARDT, STEFFEN   |  |
|                              | <b>Examiner</b>        | <b>Art Unit</b>     |  |
|                              | Jill E. Culler         | 2854                |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on July 22, 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>20030722</u> . | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 1,542,027 to Blaine in view of U.S. Patent No. 6,490,974 to Wadlinger et al.

With respect to claim 1, Blaine teaches a device for starting or throwing-on and discontinuing or throwing-off printing in a printing press comprising: an impression cylinder; at least one of a form and a blanket cylinder, 10, 11; an applicator roller, 14, a roller throw-on and throw-off bearing for throwing said applicator roller on and off, said at least one of said form and said blanket cylinder, said roller throw-on and throw-off bearing including a rotatably mounted first actuating element; a cylinder throw-on and throw-off bearing for throwing said at least one of said form and said blanket cylinder on and off said impression cylinder, said cylinder throw-on and throw-off bearing including a rotatably mounted second actuating element; a coupler, 13, forming a coupler mechanism together with said first and said second actuating elements. See page 1, lines 32-107 and the Figures.

Blaine does not teach a thrust joint having a dead thrust travel and articulately connecting one of said actuating elements to said coupler.

Wadlinger et al. teaches a device for throwing-on and throwing-off a cylinder in a printing press including a thrust joint, 29, having a dead thrust travel and articulately connecting an actuating element to a coupler, 28. See column 6, lines 41-64 and Fig. 6.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the apparatus of Blaine to include the thrust joint of Wadlinger et al. in order to better control the positioning of the coupler mechanism.

With respect to claim 2, Blaine teaches the first actuating element is an eccentric bushing, 33. See page 1, lines 80-84.

With respect to claim 3, Blaine teaches the second actuating element is a cam ring. See page 1, lines 60-70.

With respect to claim 4, Blaine does not teach that said thrust joint connects said first actuating element to said coupler.

Wadlinger et al. teaches that said thrust joint connects a first actuating element to a coupler, 28. See column 6, lines 41-64 and Fig. 6.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the apparatus of Blaine to include the thrust joint of Wadlinger et al. in order to better control the positioning of the coupler mechanism.

With respect to claims 5-6, Blaine does not teach that said thrust joint is a rotary and thrust joint which has a slot and a joint pin to be rotatably and displaceably guided in said slot.

Wadlinger et al. teaches that said thrust joint is a rotary and thrust joint which has a slot and a joint pin to be rotatably and displaceably guided in said slot. See column 6, lines 41-64 and Fig. 6.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the apparatus of Blaine to include the thrust joint details of Wadlinger et al. in order to better control the positioning of the coupler mechanism.

With respect to claim 7, Blaine does not teach that said applicator roller is associated with said at least one of said form and blanket cylinder as a single applicator roller.

Wadlinger et al. teaches an applicator roll, 11, that is associated with said at least one of said form and blanket cylinder as a single applicator roller. See column 4, lines 47-56 and Fig. 1.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the apparatus of Blaine to have a single applicator roll, as taught by Wadlinger et al., in order to simplify the system.

With respect to claim 8, Blaine teaches a printing press, comprising: an impression cylinder; at least one of a form and a blanket cylinder, 10, 11, an applicator roller, 14,; and a device for throwing-on impression and throwing-off impression, said device including: a roller throw-on and throw-off bearing for throwing said applicator roller on and off said at least one of said form and said blanket cylinder, said roller throw-on and throw-off bearing including a rotatably mounted first actuating element; a cylinder throw-on and throw-off bearing for throwing said at least one of said form and

said blanket cylinder on and off said impression cylinder, said cylinder throw-on and throw-off bearing including a rotatably mounted second actuating element; a coupler, 13, forming a coupler mechanism together with said first and said second actuating elements. See page 1, lines 32-107 and the Figures.

Blaine does not teach a thrust joint having a dead thrust travel and articulately connecting one of said actuating elements to said coupler.

Wadlinger et al. teaches a device for throwing-on and throwing-off a cylinder in a printing press including a thrust joint, 29, having a dead thrust travel and articulately connecting an actuating element to a coupler, 28. See column 6, lines 41-64 and Fig. 6.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the apparatus of Blaine to include the thrust joint of Wadlinger et al. in order to better control the positioning of the coupler mechanism.

### ***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. U.S. Patent No. 2,642,798 to Ras, U.S. Patent NO. 3,691,956 to James et al. and U.S. Patent No. 6,460,455 to Eltner et al. each teach an apparatus having apparent similarities to the claimed subject matter.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jill E. Culler whose telephone number is (571) 272-2159. The examiner can normally be reached on M-F 10:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

jec

*Jill E. Keller*  
Patent Examiner